



No Lesen : PS006001

Licence No :

## LESEN PENSIJILAN BARANGAN

*Product Certification Licence*



SIRIM QAS International Sdn. Bhd. dengan ini menganugerahkan kepada  
*SIRIM QAS International Sdn. Bhd. hereby grants to*

**SPIROLITE (M) SDN. BHD.**  
LOT 4, JALAN P/2A  
KAWASAN PERINDUSTRIAN  
43650 BANDAR BARU BANGI  
SELANGOR, MALAYSIA



Lesen untuk menggunakan Tanda Pensijilan di atas barangan  
*a licence to use the Certification Mark on*

**POLYETHYLENE (PE) PIPES FOR WATER SUPPLY**

Please refer to detail in the SCHEDULE

sebagai mematuhi keperluan  
*as complying with*  
**MS 1058 : PART 2 : 2005**

**Mohd Azanuddin bin Salleh**  
Pengarah Urusan  
*Managing Director*  
SIRIM QAS International Sdn. Bhd.

SIRIM QAS International Sdn. Bhd.  
(No. Syarikat 410334-X)  
1, Persiaran Dato Menteri  
Seksyen 2, Peti Surat 7035  
40700 Shah Alam  
Selangor Darul Ehsan  
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Tel : 60-3-55446400  
Faks : 60-3-55446466

<http://www.sirim.my>  
<http://www.malaysian-certified.my>

**Tarikh Mula Pensijilan** : 25 February 1991  
*Certified Since*  
**Sah Sehingga** : 25 February 2020  
*Valid Until*

**Tarikh Dikeluarkan** : 28 February 2019  
*Issue Date*  
**No Siri** : 044642  
*Serial No*

Lesen ini dianugerahkan tertakluk kepada syarat-syarat Perjanjian Pensijilan Barangan SIRIM QAS International Sdn. Bhd.  
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# SCHEDULE

## SPIROLITE (M) SDN. BHD.



Trade Mark : SPIROLITE, APS  
 Model : PE 80  
 Rating : PN 8, SDR 17  
 Type : PE 80 BLACK COMPOUND - ETLHD 12BK, EL-LENE H5211PC;  
 PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
 (PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
 Size : NOMINAL OUTSIDE DIAMETER (mm): 32, 40, 50, 63, 75, 90, 110, 125, 160, 180,  
 200, 225, 250, 280, 315, 355, 400 AND 450



PC 05102004 CB 01

Trade Mark : SPIROLITE, APS  
 Model : PE 80  
 Rating : PN 6.3, SDR 21  
 Type : PE 80 BLACK COMPOUND - ETLHD 12BK, EL-LENE H5211PC;  
 PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
 (PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
 Size : NOMINAL OUTSIDE DIAMETER (mm): 40, 50, 63, 75, 90, 110, 125, 160, 180, 200,  
 225, 250, 280, 315, 355, 400 AND 450

Trade Mark : SPIROLITE, APS  
 Model : PE 80  
 Rating : PN 10, SDR 13.6  
 Type : PE 80 BLACK COMPOUND - ETLHD 12BK, EL-LENE H5211PC;  
 PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
 (PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
 Size : NOMINAL OUTSIDE DIAMETER (mm): 25, 32, 40, 50, 63, 75, 90, 110, 125, 160,  
 180, 200, 225, 250, 280, 315, 355, 400 AND 450

Trade Mark : SPIROLITE, APS  
 Model : PE 80  
 Rating : PN 12.5, SDR 11  
 Type : PE 80 BLACK COMPOUND - ETLHD 12BK, EL-LENE H5211PC;  
 PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
 (PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
 Size : NOMINAL OUTSIDE DIAMETER (mm): 25, 32, 40, 50, 63, 75, 90, 110, 125, 160,  
 180, 200, 225, 250, 280, 315, 355, 400 AND 450

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# SCHEDULE

## SPIROLITE (M) SDN. BHD.



Trade Mark : SPIROLITE, APS  
Model : PE 80  
Rating : PN 16, SDR 9  
Type : PE 80 BLACK COMPOUND - ETLHD 12BK, EL-LENE H5211PC;  
PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 160, 180, 200, 225, 250, 280, 315, 355, 400 AND 450



PC 05102004 CB 01

Trade Mark : SPIROLITE, APS  
Model : PE 100  
Rating : PN 10, SDR 17  
Type : PE 100 BLACK COMPOUND - BORSAFE HE3490LS;  
PE 100 BLUE COMPOUND - BORSTAR HE3494, EL-LENE H1000PBL;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 32, 40, 50, 63, 75, 90, 110, 125, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560 AND 630

Trade Mark : SPIROLITE, APS  
Model : PE 100  
Rating : PN 12.5, SDR 13.6  
Type : PE 100 BLACK COMPOUND - BORSAFE HE3490LS;  
PE 100 BLUE COMPOUND - BORSTAR HE3494, EL-LENE H1000PBL;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 25, 32, 40, 50, 63, 75, 90, 110, 125, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560 AND 630

Trade Mark : SPIROLITE, APS  
Model : PE 100  
Rating : PN 16, SDR 11  
Type : PE 100 BLACK COMPOUND - BORSAFE HE3490LS;  
PE 100 BLUE COMPOUND - BORSTAR HE3494, EL-LENE H1000PBL;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560 AND 630

Trade Mark : SPIROLITE, APS  
Model : PE 80  
Rating : PN 8, SDR 17  
Type : PE 80 BLACK COMPOUND - BORSAFE ME3440;  
PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 32, 40, 50, 63, 75, 90, 110, 125, 160, 180, 200 AND 225

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# SCHEDULE

**SPIROLITE (M) SDN. BHD.**



Trade Mark : SPIROLITE, APS  
Model : PE 80  
Rating : PN 6.3, SDR 21  
Type : PE 80 BLACK COMPOUND - BORSAFE ME3440;  
PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 40, 50, 63, 75, 90, 110, 125, 160, 180, 200  
AND 225

Trade Mark : SPIROLITE, APS  
Model : PE 80  
Rating : PN 10, SDR 13.6  
Type : PE 80 BLACK COMPOUND - BORSAFE ME3440;  
PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 25, 32, 40, 50, 63, 75, 90, 110, 125, 160,  
180, 200 AND 225

Trade Mark : SPIROLITE, APS  
Model : PE 80  
Rating : PN 12.5, SDR 11  
Type : PE 80 BLACK COMPOUND - BORSAFE ME3440;  
PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 20, 25, 32, 40, 50, 63, 75, 90, 110, 125,  
160, 180, 200 AND 225

Trade Mark : SPIROLITE, APS  
Model : PE 80  
Rating : PN 16, SDR 9  
Type : PE 80 BLACK COMPOUND - BORSAFE ME3440;  
PE 80 BLUE COMPOUND - BORSAFE ME 3444;  
(PIPES ARE BLACK WITH OR WITHOUT BLUE STRIPES)  
Size : NOMINAL OUTSIDE DIAMETER (mm): 20, 25, 32, 40, 50, 63, 75, 90, 110, 125,  
160, 180, 200 AND 225

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