PEXaboru

PRODUCT DATA SHEET

Test	Standard	Required	Nominal	Frequency
Resin				
MFR	ASTM D1238 ISO 1133	1.7 - 2.3	1,9	Every batch
Density	ASTM D1505 ISO 1183	0.926 Mg/m³	0.955 Mg/m³	Every batch
Water Content	ASTM D6869 ISO 15512	<0.1%	<0.1%	Every batch
Master Batch				
Melt Flow Rate (MFR)	ASTM D1238	1.0 - 3.0	1,61	Every batch
Carbon Black Content CBC	ASTM D4218	2.0 - 2.6	2,4	Every batch
Pipe				
Density	Dın 53455	938kg /m³	938kg /m³	
Cross linking degree	ISO 10147	70%	85%	At least twice a batch
Elongation at break	ISO 6259-1,ISO 6259-3	350%	>400%	Every batch
Tensile strength (at 20°C)	DIN 53455	19N/mm²	>19N/mm²	At least twicw a year
% Carbon Black	ISO 6964		Special Formulation	
Resistance to weathering	ISO 14531-1,Annex C	a) thermal stability b)95°c hydrostatic strength c)elongation at break	Comply	Type test
Longitudinal reversion	ISO 2505	<3%	<2.5%	Every batch
Stabilizers migration	NCh 2086	At least 50% of a virgin sample	>50%	Once per year
Oxidative Induction Time (OIT)	EN 728 ISO Tr 10837	>20 minutes at 200 °c	>40 minutes at 200 ° c	Every batch
Oven Aging 160 °	ATEC	After 100 hours, at least 50% elongation compare to virgin material	After 100 hours, 90% elongation compare to virgin material	Twice a week
Thermal Stability at 110 °c	AS2492 DIN 16892	8760 h	>10.000	Once per year
Pent Test	ASTM F876	100 h	>100 h	Once per year
Squeeze off	ISO 14531	1000 h (Pre cooling at-50 °c	>1000 h	Type test
RCP	ISO 14531	Ic/dn <4,7 at -50 °c	Ic/dn =0.2 at -50 °c	Type test
Impact strength (at 20° C)	DIN 53453	no failure		Type test
Moisture absorption (at 20° C)		0.01 mg/4d	<0.01 mg/4d	Type test
Oxygen permeability (at 80°C) for pipe		<0.1gm/m3 x dav	0.02	