

ULF Duct Material Properties

PHYSICAL PROPERTIES

	Test Method	Unit	
Density at 23°C	ISO 1183	gr/cm ³	0,940 – 0,958
Viscosity number	ISO 1628	Cm ³ /g	300 – 340
MFR 190/5	ISO 1133	gr/10min	0,2

Mechanical Properties

	Test Method	Unit	Value
Tensile Strength at Yield	ISO 6259	Mpa	> 20
Friction Coefficient - Static	1,57 Radians at 25Kg load		<0,14
Friction Coefficient – Dynamic (Kinetic.)	1,57 Radians at 25Kg load		<0,06
Tensile modulus	ISO 527	Mpa	850
Impact strength at 13 mm Tup Radius, Striker Mass 5 Kg, Falling height 1.5 m	DoT G/CDS08		No Split or Crack
Crush Resistance–Deflection under 50Kg/1 min	DoT G/CDS08		<10%
Crush Resistance–Deflection after 5min recovery	DoT G/CDS08		<2%
Elongation at break	ISO 6259	%	> 600
OIT – Oxidation Induction Time	ASTM D3894	Minute	> 20
ESCR Environmental Stress Crack Resistance	ASTM D1693		No Split or Crack
Heat Reversion	ISO 2505	%	3
IPCR Internal Hydrostatic Pressure Creep Resis	ISO 1167		Passed