

Physical Properties	Test Standard	Typical Values	Units
Density	ASTM D1505	0.941	g/cm ³
Melt Index 190°C2.16kg	ASTM D1238	2.0	g/10min
Environmental Stress Cra ck Resistance F50 10%Igepal	ASTMD1693	40	hr
Environmental Stress Cra ck Resistance F50 100%Igepal	ASTMD1693	560	hr
Mechanical Behavior	Test Standard	Typical Values	Units
Tensile Strength Yield 50mm/min	ASTM D638	19	MPa
Elongation Yield 50mm/min	ASTM D638	10	%
Flexural Modulus 1% Secant	ASTM D790	900	MPa
Falling Weight Impact Strength -40°C ARM 3.2mm	INTERNAL METHOD	92	J
Falling Weight Impact Strength ARM 6.4mm	INTERNAL METHOD	258	J
Thermal Properties	Test Standard	Typical Values	Units
HDT Unannealed 0.45MPa	ASTM D648	57	°C
HDT Unannealed 1.8MPa	ASTM D648	38	°C
Melting Temperature Peak	ASTM D3418	129	°C
Flammability	Test Standard	Typical Values	Units
Flame Rating NC 1.5mm	UL94	HB	
UL	Test Standard	Typical Values	Units
Outdoor Suitability	UL-746C	f1	
UL FlameRating NC 1.5mm	UL94	HB	
RTI Elec NC 1.5mm	UL 746B	50	°C