

Description

Characteristics: Excellent processability, good melt strength, excellent stress cracking resistance, good rigidity, excellent impact strength, ASTM D4976-89-PE235, FDA compliant⁽⁴⁾, UL 94HB/746 certified.

Applications: Industrial Parts, Pallets, Large foam parts, Suitable for food packaging

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/21.6 kg			11.5
Mechanical Properties⁽¹⁾⁽²⁾			
Tensile Strength @ Yield	D 638, Type IV specimen, 2 in/min	psi	3,800
Elongation at Break	D 638, Type IV specimen, 2 in/min	%	600
Flexural Modulus	D-790	psi	175,000
Notched Izod Impact Strength	D256, A, 1/8 in thick specimen	ft-lb/in notch	10.0
ESCR ⁽³⁾			
100% Igepal	D 1693, Cond B	F ₅₀ , hrs	>600
10% Igepal			120
Thermal Properties⁽¹⁾			
Melting Point	D-3417	°F	260
Processing Recommendation			
Extrusion Melting Temperature		°F	380 - 480
Blow Molding Stock Temperature		°F	370 - 450
Other Physical Properties			
Density	D-792	g/cm ³	0.948

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) The data listed was determined on compression molded specimens and may, therefore, vary from specimens taken from molded articles.

(3) Environmental Stress Crack Resistance (ESCR)

(4) Complies with FDA 21 CFR § 177.1520, Para. (c) 2.1 and 2.2

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