

POLYPROPYLENE

18C3A

DESCRIPTION: Impact Copolymer

FEATURES: Excellent Impact strength. Product does not contain animal derived components.

APPLICATIONS: Injection molding: electrical housings

PROPERTY	NOMINAL VALUE	SI UNIT	NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Flow Rate	3.0	g/10 min.			D 1238
Density	0.90	g/cm ³			D 1505
Tensile Yield Strength	24	MPa	3500	psi	D 638
Elongation at Break	550	%	550	%	
Modulus	1138	MPa	165	kpsi	
Flexural Modulus	1069	MPa	155	kpsi	D 790
Deflection Temperature @ 66 psi	85	°C	185	°F	D 648
Rockwell Hardness			75	R	D 785
Notched Izod @ 23°C	NB*	J/m	NB*	ft-lb/in	D 256
Gardner Impact @ -18°C	>36	J	>300	in-lb	D 5420

Dec 11



Regulatory

FDA - 21 CFR 177.1520 (c) 3.1a

UL listed 105 °C LTHA

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