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Material Data Sheet

Material: *Resinext PC18RU*
Generic: *Polycarbonate*

<i>Property</i>	<i>Data</i>	<i>Units</i>	<i>ASTM</i>
GENERAL			
Features	General Purpose Mold Release UV Stablized		
Form	Pellets		
Processing Method	Injection		
PHYSICAL			
Melt Flow Rate	18 (300°C/1.2kg)	g/10 min	D-256
Mold Shrinkage, flow, 1/8 in.	0.5-0.7	%	
Specific Gravity	1.2		D-792
MECHANICAL			
Flexural Modulus	339000	psi	D-790
Flexural Strength @ Yield	13450	psi	D-790
Tensile Strength @Yield	9130	psi	D-790
Tensile Elongation @ Yield	6	%	D-638
Tensile Elongation @ Break	110	%	D-638
IMPACT			
Unnotched Izod Impact 1/8 in.	60	ft-lb/in	D-256
Notched Izod Impact 1/8 in.	13	ft-lb/in	D-256
HARDNESS			
Rockwell Hardness	70	M-Scale	D-785
THERMAL			
HDT @264 psi-unannealed	269	°F	D-648
FLAMMABILITY			
Flame Rating - UL Equiv.	V-2		

Resinext resins are not certified for food contact or for medical applications.

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