

TRILAC® ABS-RC3000

Acrylonitrile Butadiene Styrene
Polymer Technology and Services, LLC

Message:

TRILAC® ABS-RC3000 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: eco-friendly/green.

General Information			
Recycled Content	Yes		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2280	MPa	ASTM D638
Tensile Strength (Yield)	41.7	MPa	ASTM D638
Tensile Elongation (Break)	18	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength (Yield)	69.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	87.8 to 93.3	°C	
Drying Time	2.0 to 24	hr	
Rear Temperature	193	°C	
Middle Temperature	216	°C	
Front Temperature	227	°C	
Processing (Melt) Temp	232 to 260	°C	
Mold Temperature	48.9 to 65.6	°C	
Injection Pressure	68.9 to 82.7	MPa	
Injection Rate	Slow-Moderate		
Back Pressure	0.689	MPa	
Screw Speed	50 to 60	rpm	

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