

# RAMOLENE

# RF48Z

"Homopolymer Extrusion Grade"

Formulated specifically to give excellent process stability in high profile extrusion. Low catalyst residues, provides outstanding color, plus low t<sub>i</sub>

Recommended for high speed profile extrusion for standard and flexible drinking straws.

	<u>Resin Properties *</u>	<u>Nominal Value</u>	<u>ASTM Method</u>	
P O L Y P R O P Y L E N E	Melt Flow, g/10 min.	4.8	D-1238 Condition "L"	
	Density, g/cc	0.905	D-1505	
	Melting Point : °F	330	DSC**	
		°C		165
	<u>Mechanical Properties *</u>			
	Tensile, psi (M Pa)	5300 (36)	D-638	
	Elongation at yield %	10	D-638	
	Elongation at break, %	>100	D-638	
	Tensile Modulus, psi (M pa)	220,000 (1,515)	D-638	
	Flexural Modulus, psi (M Pa)	200,000 (1,380)	D-790	
	Izod Impact @ 73°F		D-256A	
		Notched - ft - lbs/in. (J/m)	.5 (26.5)	
	Unnotched - ft - lbs./in. (J/m)	24.0 (1,270)	D-790	
Hardness		1,380		
	Shore D	77	D-1706	
	Rockwell R	90	D-785A	
<u>Thermal Properties **</u>				
Heat Deflection			D-648	
	°F at 66 psi	225		
	°C at 4.64 kg/cm <sup>2</sup>	107		
Coefficient of Linear Thermal Expansion	in./in/°F x 10 <sup>-5</sup>	5.6		
	cm/cm/ °C x 10 <sup>-5</sup>	10		

\* Data developed under laboratory conditions and are not to be used as specification, maxima, or minima

\*\* MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

## RAMTECH OVERSEAS, INC.

204 S. HOOVER BLVD. SUITE 230 Tampa, FL 33609

Tel # (813) 287-2588 [www.ramtechcorp.com](http://www.ramtechcorp.com) Fax # (813) 287-1814