



Rigur™ (RGD450)

SIMULATED POLYPROPYLENE MATERIAL SIMULATING STANDARD PLASTICS

	ASTM	UNITS	METRIC	UNITS	IMPERIAL
Tensile Strength	D-638-03	MPa	40-45	psi	5800-6500
Elongation at Break	D-638-05	%	20-35	%	20-35
Modulus of Elasticity	D-638-04	MPa	1700-2100	psi	246,000-305,000
Flexural Strength	D-790-03	MPa	52-59	psi	7500-8500
Flexural Modulus	D-790-04	MPa	1500-1700	psi	217,000-246,000
HDT, °C @ 0.45MPa	D-648-06	°C	49-54	°F	120-129
HDT, °C @ 1.82MPa	D-648-07	°C	45-50	°F	113-122
Izod Notched Impact	D-256-06	J/m	30-35	ft lb/inch	0.561-0.656
Tg	DMA, E»	°C	48-52	°F	118-126
Shore Hardness (D)	Scale D	Scale D	80-84	Scale D	80-84
Rockwell Hardness	Scale M	Scale M	58-62	Scale M	58-62
Polymerized Density	ASTM D792	g/cm3	1.20-1.21		
Ash Content	USP281	%	0.3-0.4	%	0.3-0.4