



Durus™ White (RGD430)

SIMULATED POLYPROPYLENE MATERIAL SIMULATING STANDARD PLASTICS

	ASTM	UNITS	METRIC	UNITS	IMPERIAL
Tensile Strength	D-638-03	MPa	20-30	psi	2900-4350
Elongation at Break	D-638-05	%	40-50	%	40-50
Modulus of Elasticity	D-638-04	MPa	1000-1200	psi	145,000-175,000
Flexural Strength	D-790-03	MPa	30-40	psi	4350-5800
Flexural Modulus	D-790-04	MPa	1200-1600	psi	175,000-230,000
HDT, °C @ 0.45MPa	D-648-06	°C	37-42	°F	99-108
HDT, °C @ 1.82MPa	D-648-07	°C	32-34	°F	90-93
Izod Notched Impact	D-256-06	J/m	40-50	ft lb/inch	0.749-0.937
Water Absorption	D-570-98 24hr	%	1.5-1.9	%	1.5-1.9
Tg	DMA, E»	°C	35-37	°F	95-99
Shore Hardness (D)	Scale D	Scale D	74-78	Scale D	74-78
Rockwell Hardness	Scale M	Scale M	no data	Scale M	no data
Polymerized Density	ASTM D792	g/cm3	1.15-1.17		
Ash Content	USP281	%	0.10-0.12	%	0.1-0.12