Materials Simulating Engineering Plastics

Digital ABS, Green (RGD5160-DM, RGD5161-DM) made of RGD515 & RGD535
Digital ABS, Ivory (RGD5130-DM, RGD5131-DM) made of RGD515 & RGD531

High Temperature Material (RGD525/RGD811) IS MPa 105 70-80 Units) Tensile (37mpa) 10,000-17,500 Tensile as s (

Elongation at break	D-638-05	%	10-15	%	10-15.
Modulus of elasticity	D-638-04	MPa	3200-3500	psi	465,000-510,000
Flexural Strength	D-790-03	MPa	110-130	psi	16,000-19,000
Flexural Modulus	D-790-04	MPa	3100-3500	psi	450,000-510,000
HDT, °C @45MPa	D-648-06	°C	63-67	°F	145-163
HDT, °C @45MPa after thermal post treatment procedure A	D-648-06	°C	75-80	°F	167-176
HDT, °C @182MPa	D-648-07	°C	55-57	°F	131-135
Izod Notched Impact	D-256-06	J/m	14-16	ft lb/inch	0262-0300
Water Absorption, %	D-570-98 24hr	%	12-14	%	12-14
Tg	DMA, E»	°C	62-65	°F	144-149
Shore Hardness D	Scale D	Scale D	87-88	Scale D	87-88
Rockwell Hardness	Scale M	Scale M	78-83	Scale M	78-83
Polymerized density	ASTM D792	g/cm3	117-118		
Ash content	BP281	%	038-042	%	038-042

Materials Simulating Standard Plastics

RGD720

VeroClear RGD810