+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

EZPRENE VX-201-55A

EZPRENE

Product Description : This polyolefin based thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend bondable to PA substrate by overmolding. EZPRENE® series are completely recyclable and can be processed with conventional thermoplastics machinery

Additive Packages : T / Heat and UV stabilizer
/

Key Features : Adhesion to PA,
Excellent ozone resistance
Rubberlike elasticity in a wide temperature range
Easy colorability with proper MB (PE, PP, etc. based)

Process Method : Injection/multi injection molding, extrusion, coextrusion

Uses : Automotive, home appliances, industrial applications

	Value	Unit	Standard
Physical			
Hardness	55	SHORE A	ISO 868 (3 second)
Density	0,9	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,4	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	2,2	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	3,4	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	470	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	18	N/mm	ISO 34-1 Method B
Adhesion to PA 6	3 (D)	N/mm	VDI 2019
Aging			
Compression Set (72h/23°C)	21	%	ISO 815
Compression Set (22h/70°C)	34	%	ISO 815
Compression Set (22h/100°C)	46	%	ISO 815

Data Sheet

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Environmental Resistance	
Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good
Drying Condition	
Drying Time(hr)	2
Drying Temperature(°C)	80-90
Molding Condition (°C)	
1st Zone (hopper)(°C)	230-240
2nd Zone(°C)	235-245
3rd Zone(°C)	240-250
Nozzle(°C)	245-255
Melt Temperature(°C)	245-265
Mold Temperature(°C)	80
Max Allowable Melt Temperature(°C)	
Extrusion Condition (°C)	
Feed Zone Temperature (°C)	170 - 190
Compression Zone Temperature (°C)	180 - 195
Melting Zone Temperature (°C)	195 - 205
Extruder Head Temperature (°C)	200 - 210
Die Temperature (°C)	200 - 220