sarlink® TPE

ME-2200 SERIES

GENERAL PURPOSE TPEs FOR EXTERIOR MOLDING: LOW DENSITY

TYPICAL PROPERTIES	TEST STANDARD	UNITS S.I.	ME-2245	ME-2255	ME-2265	ME-2275	ME-2285	ME-2240D
DENSITY	ISO 1183	kg/m^3	925	925	925	926	926	928
HARDNESS (5 SEC DELAY)	ISO 868	Shore						
Injection molded sample		A or D	46A	54A	64A	74A	85A	39D
TENSILE PROPERTIES								
Flow direction	ISO 37							
Tensile strength at break		MPa	3.3	4.7	6.5	7.0	10.0	13.4
Modulus at 100% elongation		MPa	1.6	2.3	2.9	3.3	4.9	7.3
Elongation at break		%	540	570	640	650	620	630
Cross flow direction								
Tensile strength at break		MPa	6.8	9.7	10.6	11.4	12.6	14.9
Modulus at 100% elongation		MPa	1.0	1.6	2.1	2.5	3.9	6.1
Elongation at break		%	840	870	840	840	780	720
TEAR STRENGTH								
Cross flow direction	ISO 34B							
Unnicked angle		kN/m	18	25	30	32	46	66
COMPRESSION SET								
22 hrs @ 23°C	ISO 815	%	14	18	21	23	30	37
22 hrs @ 70°C		%	34	37	40	42	54	56
70 hrs @ 90°C		%	57	60	62	64	60	68
HOT AIR AGING								
Cross flow direction								
168 hrs @ 125°C	ISO 188							
Change in hardness		pts	1	1	1	1	1	0
Change in tensile strength at break		%	31	4	9	4	3	-2
Change in modulus at 100% elongation		%	3	7	6	7	11	11
Change in elongation at break		%	8	4	4	1	0	-1
1000 hrs @ 110°C								
Change in hardness		pts	2	1	2	2	0	1
Change tensile strength at break		%	34	13	9	5	8	-1
Change modulus at 100% elongation		%	6	9	11	9	12	13
Change elongation at break		%	7	20	2	0	0	-4
APPARENT SHEAR VISCOSITY	ISO 11443							
@ 206 1/s, 200°C	Capillary	Pa.s	234	234	204	203	203	203

FEATURES

- Lower density for reduced part weight
- Excellent UV Resistance
- Good flexibility over a wide temperature range
- Available from 45 Shore A to 40 Shore D, in natural and black

TRANSPORTATION SEGMENTS

- Exterior
- Sealing Systems

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