

## DENKA STYROL (General Purpose Polystyrene)

### MD-100-301 / Improving Flow

➤ Suitable for high speed Injection Mold Process

➤ It can be used blended with impact modifier SBC resin for High Transparent packaging articles

Properties	Methods	Conditions	Units	MD-100-301	MW-1-301 MW-1-321	MF-21-301 MF-21-321	HRM-2S-311
				New Grade Improving Flow	High Strength High Impact	Easy Flow High Heat	High Heat
MFR	ISO1133	200℃ 49N	g /10min.	<u>8.5</u>	1.8	4.5	1.8
Vicat Softening Temperature	ISO306	50N	℃	88	93	99	102
Deflection Temp under load	ISO75-1,2	Flat wise 1.82MPa	℃	70	74	78	81
Total luminous transmittance	ISO3468-1	2mmt	%	90	90	90	90
Haze	ISO14782	2mmt	%	0.3	0.3	0.3	0.3
Tensile Strength	ISO527-1,2	5mm/min	MPa	45	47	47	50
Elongation at Break			%	<3	<3	<3	<3
Charpy impact strength	ISO179	Notched, 23℃	KJ/m <sup>2</sup>	2.0	2.8	2.2	2.6
Flexural Strength	ISO178	2mm/min	MPa	99	102	107	109
Flexural Modulus			MPa	3300	3300	3350	3400
Rockwell Hardness	ISO2039-2	23℃	M scale	75	75	75	75
Density	ISO1183	23℃	Kg/m <sup>3</sup>	1,040	1,040	1,040	1,040

\* Values are typical and not guaranteed.