



Starex WR-9120 J			
ASA		Lotte Chemical Corporation	
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	26	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0055	mm/mm	ASTM D 955
Density	1070	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
Melt flow index, MFI	26	g/10min	ISO 1133
MFI temperature	220	°C	-
MFI load	10	kg	-
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2100	MPa	ISO 527
Yield stress	43	MPa	ISO 527
Stress at break	34	MPa	ISO 527
Strain at break	15	%	ISO 527
Charpy notched impact strength, +23°C	14	kJ/m²	ISO 179/1eA
Flexural modulus, 23°C	2260	MPa	ISO 178
Flexural strength	72	MPa	ISO 178
Izod Impact notched, 23°C	9	kJ/m²	ISO 180/1A
Rockwell hardness	R 105	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2000	MPa	ASTM D 638
Tensile Strength at Yield	44	MPa	ASTM D 638
Tensile Strength at Break	39	MPa	ASTM D 638
Elongation at Break	85	%	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	64	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	210	J/m	ASTM D 256
Izod Impact notched, 1/4 in	88	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	77	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	91	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	98	°C	ISO 306
ASTM Data			
DTUL @ 264 psi	87	°C	ASTM D 648
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1070	kg/m³	ISO 1183

ASA

Lotte Chemical Corporation

Characteristics

Injection Molding

Automotive

Pellets, Natural Color